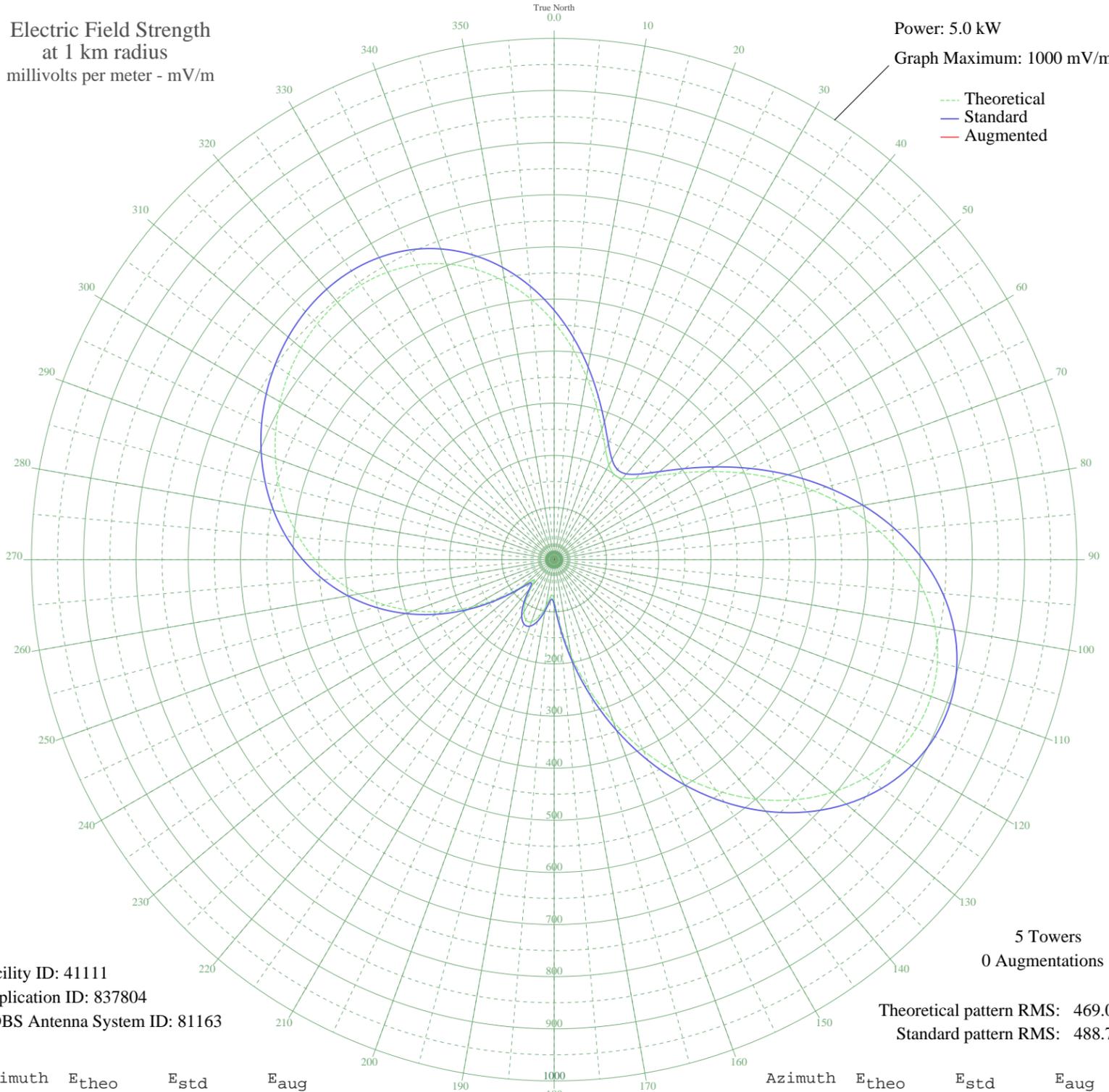


WVBE ROANOKE, VA BP-20040112ABF 610 kHz

Daytime

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 5.0 kW  
Graph Maximum: 1000 mV/m



Facility ID: 41111  
Application ID: 837804  
CDBS Antenna System ID: 81163

5 Towers  
0 Augmentations

Theoretical pattern RMS: 469.08  
Standard pattern RMS: 488.77

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	455.11	478.54	
5	406.11	427.16	
10	356.37	375.05	
15	308.80	325.23	
20	266.49	280.96	
25	232.54	245.49	
30	209.64	221.58	
35	199.60	211.11	
40	203.11	214.77	
45	219.88	232.27	
50	248.99	262.67	
55	289.03	304.54	
60	338.04	355.84	
65	393.56	414.02	
70	452.81	476.12	
75	512.87	539.11	
80	570.98	600.06	
85	624.61	656.34	
90	671.69	705.73	
95	710.53	746.48	
100	739.92	777.33	
105	759.05	797.41	
110	767.48	806.25	
115	765.04	803.70	
120	751.84	789.84	
125	728.16	764.99	
130	694.45	729.61	
135	651.33	684.37	
140	599.61	630.10	
145	540.28	567.86	
150	474.59	498.96	
155	404.10	425.06	
160	330.77	348.23	
165	257.03	271.07	
170	186.08	197.02	
175	122.83	131.44	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	77.75	85.49	
185	70.01	77.76	
190	91.35	99.21	
195	114.04	122.40	
200	127.14	135.89	
205	127.70	136.46	
210	115.66	124.06	
215	93.10	101.00	
220	66.14	73.94	
225	54.36	62.46	
230	80.68	88.43	
235	127.80	136.56	
240	180.92	191.65	
245	234.77	247.81	
250	286.81	302.22	
255	335.62	353.31	
260	380.44	400.27	
265	421.01	442.79	
270	457.39	480.93	
275	489.85	514.96	
280	518.75	545.28	
285	544.48	572.27	
290	567.37	596.27	
295	587.61	617.51	
300	605.25	636.02	
305	620.17	651.68	
310	632.04	664.13	
315	640.35	672.85	
320	644.44	677.14	
325	643.55	676.20	
330	636.89	669.21	
335	623.75	655.42	
340	603.59	634.28	
345	576.20	605.54	
350	541.75	569.40	
355	500.96	526.62	

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

15 Nov 2005

Prepared by Audio Division, Media Bureau  
Federal Communications Commission